



07-03-06

# PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

22922 7590 03/31/2006

REINHART BOERNER VAN DEUREN S.C.  
ATTN: LINDA KASULKE, DOCKET COORDINATOR  
1000 NORTH WATER STREET  
SUITE 2100  
MILWAUKEE, WI 53202

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

EV 717284827 US via Ex. Mail  
Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

|                          |                    |
|--------------------------|--------------------|
| <u>Rodney D. DeKruif</u> | (Depositor's name) |
| <u>Rodney DeKruif</u>    | (Signature)        |
|                          | (Date)             |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
|-----------------|-------------|----------------------|---------------------|------------------|

10761,021 01/20/2004 Sankar Sambasivan 6456-DIV 1883

TITLE OF INVENTION: HIGHLY ANISOTROPIC CERAMIC THERMAL BARRIER COATING MATERIALS AND RELATED COMPOSITES

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|-------------|--------------|-----------|-----------------|------------------|----------|
|-------------|--------------|-----------|-----------------|------------------|----------|

nonprovisional YES \$700 \$300 \$1000 06/30/2006

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|----------|----------|----------------|
|----------|----------|----------------|

SONG, MATTHEW J 1722 117-003000

07/05/2006 HGUTEMAR 00000014 180882 10761021

01 EC:2501 700.00 DA  
02 FC:1504 300.00 DA

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Reinhart Boerner Van Deuren, s.c.

2

3

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Applied Thin Films, Inc.

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

1801 Maple Avenue, Suite 5316

Evanston, IL 60201

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

☒ Issue Fee

☒ Publication Fee (No small entity discount permitted)

☐ Advance Order - # of Copies

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 18-0882 (enclose an extra copy of this form).

## 5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature Rodney D. DeKruif

Date June 30, 2006

Typed or printed name Rodney D. DeKruif

Registration No. 35, 853

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office To Addressee Mailing Label Number EV717284827US with sufficient postage addressed to Mail Stop ISSUE FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 30, 2006.  
Reinhart Boerner Van Deuren s.c.

## PATENT APPLICATION

By: Rodney D. DeKruif  
Rodney D. DeKruif

Date: June 30, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GROUP ART UNIT: 1722

EXAMINER: Song, Matthew J.

In re application of: Sankar )  
Sambasivan )

Application No: 10/761,021 )

Filed: 01/20/2004 )

Confirmation No.: 1883 )

Attorney Docket No. 6465-DIV )

Customer No. 22922 )

For: HIGHLY ANISOTROPIC  
CERAMIC THERMAL  
BARRIER COATING  
MATERIALS AND RELATED  
COMPOSITES

MAIL STOP ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

DATE: June 30, 2006

### TRANSMITTAL OF PAYMENT OF ISSUE FEE (37 CFR 1.311)

1. Applicant hereby pays the issue fee for the attached Issue Fee Transmittal PTOL-85.

2. Fee (37 CFR 1.18(a) and (b))

Application status is:

|  | <u>Regular</u>                               | <u>Design</u>                     |
|--|--|-----------------------------------|
| <input type="checkbox"/> small business entity- fee      | <input checked="" type="checkbox"/> \$700.00 | <input type="checkbox"/> \$400.00 |
| <input type="checkbox"/> other than a small entity - fee | <input type="checkbox"/> \$1,400.00          | <input type="checkbox"/> \$800.00 |

[X] publication fee

[X] \$300.00

3. Payment of fee

[ ] Enclosed please find a check in the sum of \$ \_\_\_\_\_

[ ] Charge Account \_\_\_\_\_ for any fee deficiency.


[X] Charge Account 18-0882 the sum of \$ 1,000.


A duplicate of this request is attached.


NOTE: The PTO has established a special box designator for issue fees, the orders for advance copies and the fees associated with these services. To take advantage of this new service, the envelope should be addressed to: Box Issue Fees, Commissioner of Patents and Trademarks, Washington, D.C. 20231. Notice of March 7, 1988, 1088 O.G. 102.

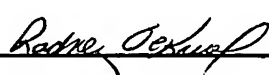
Reg. No.: 35,853


Tel. No.: (414) 298-8360

  
\_\_\_\_\_  
Rodney D. DeKruif  
Reinhart Boerner Van Deuren s.c.  
Attn: Linda Gabriel, Docket Clerk  
1000 N. Water Street, Suite 2100  
Milwaukee, WI 53202

|   |                      |                        |          |
|---|----------------------|------------------------|----------|
|  | Application Number   | 10/761,021             |          |
|   | Filing Date          | 01/20/2004             |          |
|   | First Named Inventor | Sankar Sambasivan      |          |
|   | Art Unit             | 1722                   |          |
|   | Examiner Name        | Song, Matthew J.       |          |
| Total <del>Transmittal</del> Pages in This Submission                             | 5                    | Attorney Docket Number | 6456-DIV |

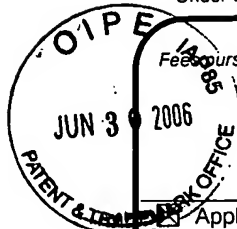
| ENCLOSURES (check all that apply)   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Transmittal of Payment of Issue Fee (37 CFT 1.311)<br>Part B – Fee(s) Transmittal Return Postcard |
| <b>Remarks</b> Authorization is hereby given to charge or credit Deposit Account No. 18-0882 for any fee deficiency or overpayment.<br><div style="text-align: right;"> <br/>       Rodney D. DeKruif     </div>   |  |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |          |        |
|--|---|----------|--------|
| Firm                                       | Reinhart Boerner Van Deuren s.c.  |          |        |
| Signature                                  |  |          |        |
| Printed Name                               | Rodney D. DeKruif   |          |        |
| Date                                       | June 30, 2006   | Reg. No. | 35,853 |

| CERTIFICATE OF TRANSMISSION/MAILING   |   |      |               |
|---|---|------|---------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as Express Mail (EV717284827US) in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. |   |      |               |
| Signature   |  |      |               |
| Typed or printed name   | Rodney D. DeKruif   | Date | June 30, 2006 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# **FEE TRANSMITTAL for FY 2006**

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 1,000

## Complete if Known

|                      |                   |
|----------------------|-------------------|
| Application Number   | 10/761,021        |
| Filing Date          | 01/20/2004        |
| First Named Inventor | Sankar Sambasivan |
| Examiner Name        | Song, Matthew J.  |
| Art Unit             | 1722              |
| Attorney Docket No.  | 6456-DIV          |

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 18-0882 Deposit Account Name: Reinhart Boerner Van Deuren, s.c.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments

Under 37 CFR 1.16 and 1.17

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   | _____          |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    | _____          |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    | _____          |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   | _____          |
| Provisional      | 200         | 100                   | 0           | 0                     | 0                | 0                     | _____          |

## 2. EXCESS CLAIM FEES

## Fee Description

Each claim over 20 (including Reissues)

Small Entity Fee (\$)

50

Each independent claim over 3 (including Reissues)

200

Multiple dependent claims

360

## Total Claims

## Extra Claims

## Fee (\$)

## Fee Paid (\$)

## Multiple Dependent Claims

## Fee (\$)

## Fee Paid (\$)

\_\_\_\_\_ -20 or HP= \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

## Indep. Claims

## Extra Claims

## Fee (\$)

## Fee Paid (\$)

\_\_\_\_\_ - 3 or HP= \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

## 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

|                     |                     |   |                 |                      |
|---------------------|---------------------|---|-----------------|----------------------|
| <u>Total Sheets</u> | <u>Extra Sheets</u> | <u>Number of each additional 50 or fraction thereof</u> | <u>Fee (\$)</u> | <u>Fee Paid (\$)</u> |
| _____               | _____               | _____   | _____           | _____                |

\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

## 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Issue Fee and Publication Fee

## Fees Paid (\$)

\$1,000

## SUBMITTED BY

|                   |                   |                                      |               |           |              |
|-------------------|-------------------|--------------------------------------|---------------|-----------|--------------|
| Signature         |                   | Registration No.<br>(Attorney/Agent) | 35,853        | Telephone | 414-298-8360 |
| Name (Print/Type) | Rodney D. DeKroop | Date                                 | June 30, 2006 |           |              |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.